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Abstract of **JP8196617**

PURPOSE: To provide a surgical material which has the same as bone or a little higher than that on compressive bending strength and compressive bending elastic modulus, by melt-molding a polylactic acid polymer having high molecular weight under a specified adjusted condition and drawing and cutting it. CONSTITUTION: This surgical material is an in vivo degradation absorbable material which is composed exclusively of a polylactic acid with viscosity average molecular weight of 300,000 to 600,000 or lactic acid-glycolic acid copolymer, thereby the surgical material having toughness and excellent hydrolysis- resistance is obtained by melt-molding these polymers and further cutting the drawn molding. On this occasion, the molding is cutting-worked into any shape of a plate, a pin, a machine screw, or a screw for bone conjugation. The compressive bending strength of the molding is 1.6× 10<3> kg/cm<2> or more, the compressive bending elastic modulus is 5.0× 10<2> kg/mm<2> or more, and the viscosity average molecular weight is 200,000 or more. Thereby, high compressive bending strength, the compressive bending elstic modulus and hydrolysis-resistance can be ensured.
